

DRAFT

Highway Administrator's Report

Jonathan L. Gulliver
November, 2018

Chapter 90



- Additional \$40 million included in the FY 2019 Supplemental Budget
- Provides every municipality a 20% increase in Chapter 90 funding
- Letters went out to municipalities on October 23, 2018

Snow and Ice 2018-2019



- Perform snow and ice removal on over 15,000 lane miles – plus 66% of DCR operations, including Morrissey Boulevard
- 150 Depots and Salt Storage Locations
- Over 700 personnel ready to respond with 1,500 vendors
- Over 3,800 vendor equipment with an additional 500 MassDOT pieces of equipment
- Hiring 50 temporary workers to support operations

Snow and Ice GPS and Materials

Adding GPS

- 1,133 plug-in devices will be in all spreader/plow combos
- Will track routes and timing of plow batteries to optimize future routes



Materials:

Salt:

- 72.3% of capacity is on-hand
 - 343,150 tons statewide capacity
 - 248,100 tons on-hand
 - Will be at 80% by Thanksgiving

Liquid Magnesium:

- 69% of capacity is on-hand
 - 903,159 gal statewide capacity
 - 622,299 gal on-hand

Investment in Pavement 2018 Season

- Over 1 million tons of asphalt placed on Massachusetts roads during the 2018 Construction Season
- MassDOT roadway projects active in over 140 communities across the Commonwealth
- Work on over 500 bridges in 150 communities to improve bridge health through replacement, rehabilitation, preservation and maintenance projects

Holiday Travel

Charlton Gantry

Start Time	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Avg	Avg Volume Graph
	11/21/2017	11/22/2017	11/23/2017	11/24/2017	11/25/2017	11/26/2017	11/27/2017		
12:00 AM	983	1901	1683	876	1092	1578	1327	1,349	
1:00 AM	854	1259	1044	605	729	1066	887	921	
2:00 AM	773	1064	888	548	600	726	698	757	
3:00 AM	953	1276	748	688	606	626	813	816	
4:00 AM	1586	1869	932	1001	694	707	1621	1,201	
5:00 AM	3105	3470	1459	1702	1085	1110	3530	2,209	
6:00 AM	4588	4827	2541	2403	1888	1890	5206	3,335	
7:00 AM	5500	5823	4603	3194	3106	3480	6099	4,544	
8:00 AM	5502	6150	7428	4278	4497	6010	5842	5,672	
9:00 AM	5691	6770	9044	6261	7048	8602	6132	7,078	
10:00 AM	6914	7352	9879	8285	8981	10211	6464	8,298	
11:00 AM	7598	8139	9566	9582	9446	9842	6611	8,683	
12:00 PM	7590	8286	9751	9410	9664	10006	6246	8,708	
1:00 PM	8511	7975	8250	9428	9371	9664	6351	8,507	
2:00 PM	8610	7987	4851	8589	9389	9280	6550	7,894	
3:00 PM	8573	8337	3595	8638	9199	8759	6593	7,671	
4:00 PM	6696	8142	4159	7961	8707	8900	6185	7,250	
5:00 PM	8539	7006	5232	7017	7936	8280	5743	7,108	
6:00 PM	7514	6786	6216	5803	7521	9008	4342	6,741	
7:00 PM	6806	7326	6463	4746	7242	8305	3250	6,305	
8:00 PM	6406	6198	5944	4057	6027	7197	2639	5,495	
9:00 PM	5915	4749	4119	3171	5088	5512	2250	4,401	
10:00 PM	3983	3772	2508	2476	3756	3411	1680	3,084	
11:00 PM	2822	2361	1534	1900	2463	2133	1323	2,077	
Total	126012	128825	112437	112619	126135	136303	98382	Avg	
AM Pk Hr	11:00 AM	11:00 AM	10:00 AM	11:00 AM	11:00 AM	10:00 AM	11:00 AM		
AM Peak	7598	8139	9879	9582	9446	10211	6611	8781	
PM Pk Hr	2:00 PM	3:00 PM	12:00 PM	1:00 PM	12:00 PM	12:00 PM	3:00 PM		
PM Peak	8610	8337	9751	9428	9664	10006	6593	8913	
Peak %	6.83%	6.47%	8.79%	8.51%	7.66%	7.49%	6.72%	7.50%	

- Plan ahead
- Tuesday is almost as heavy as Wednesday
- Sunday is the heaviest travel day

Count Start:	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
Start	11/21/2017	11/22/2017	11/23/2017	11/24/2017	11/25/2017	11/26/2017	11/27/2017
End	11/22/2017	11/23/2017	11/24/2017	11/25/2017	11/26/2017	11/27/2017	11/28/2017
24h Total	126012	128825	112437	112619	126135	136303	98382

Whittier Bridge Replacement

- Award Winning
 - Recently awarded the Bridge Project of the Year Award from American Infrastructure Magazine
- Project Highlights
 - \$ 318 million
 - Replaced the Whittier Bridge
 - Widened 4 miles of I-95
 - Constructed the William Lloyd Garrison Trail – the first shared use pathway within an interstate highway layout in the Commonwealth
- Project Team Recognition



5/9/18